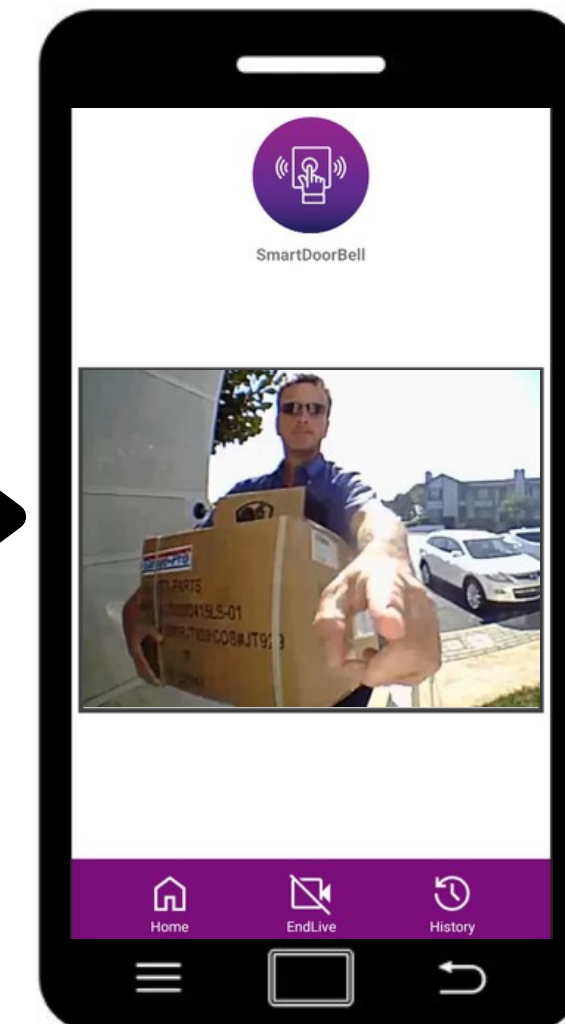


SmartDoorBell



Objective:

- **Making the traditional doorbell smart**

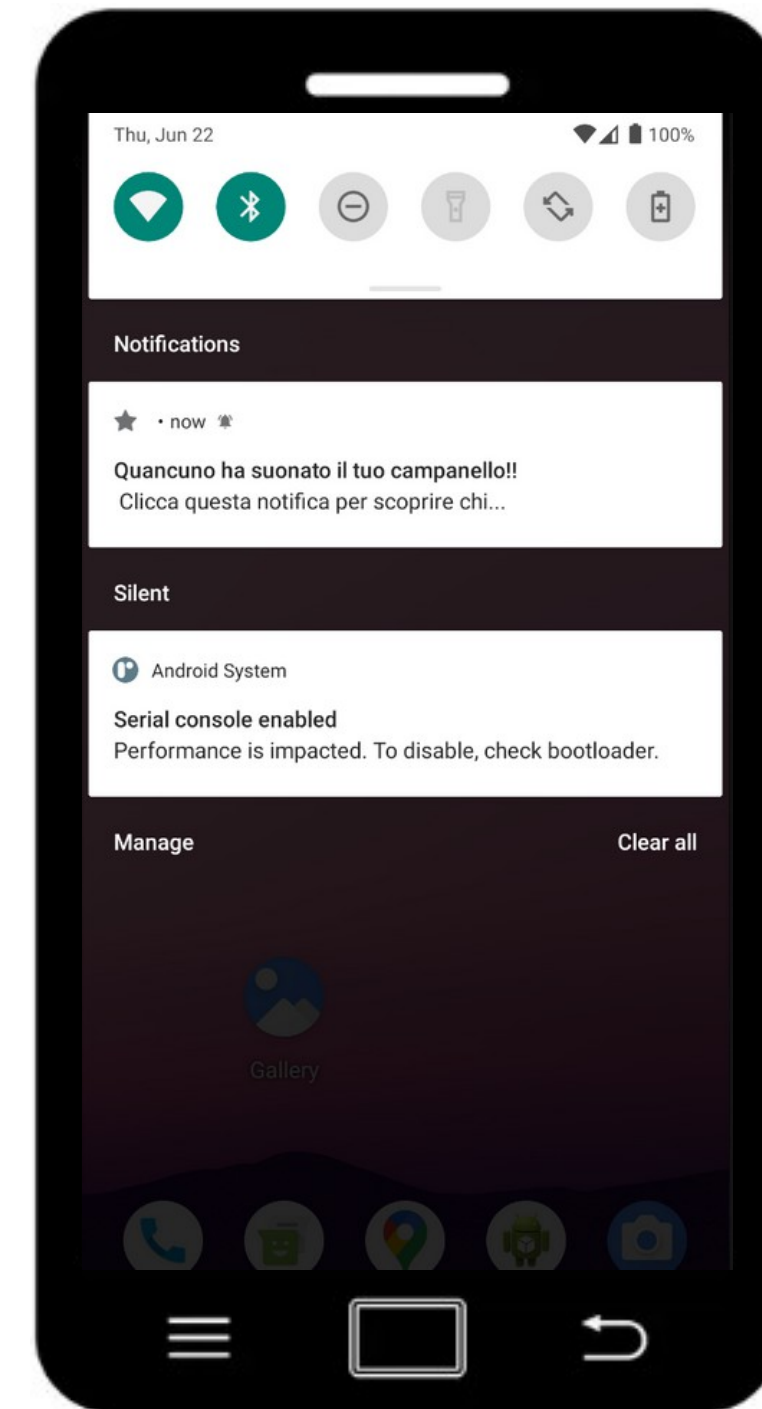


SmartDoorBell



Its main functions include:

- **Push Notifications:** When someone presses the doorbell, the app receives a notification that it will automatically cancel when the camera stops sending video.
- **Real-time video:** In order to View videos from the smart doorbell camera.



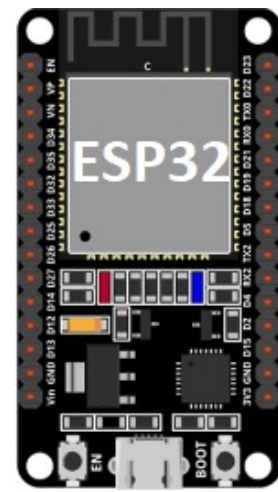
SmartDoorBell



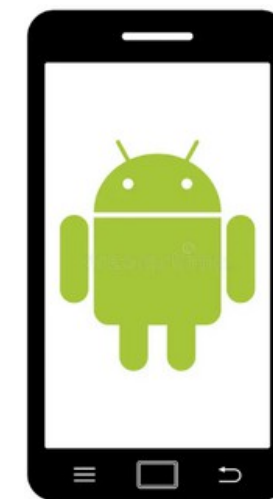
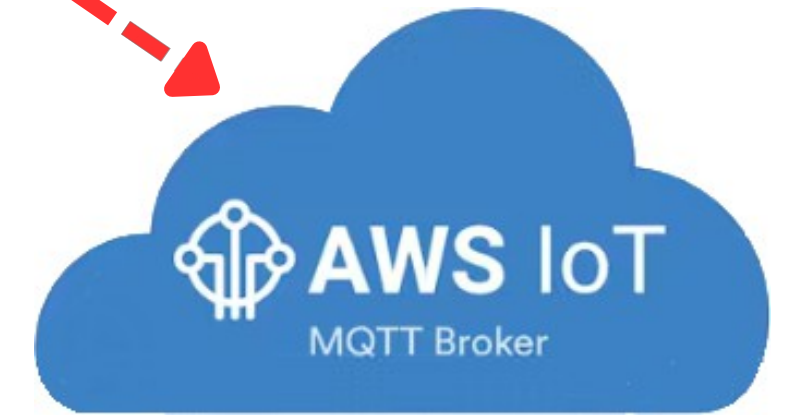
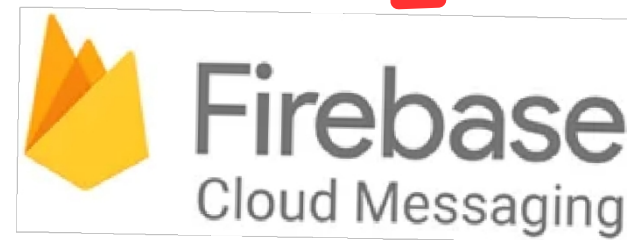
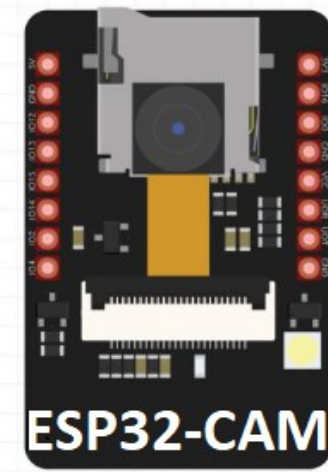
Its main functions include:

- **History screen:** The dedicated smart doorbell app includes a dedicated screen that collects All notifications received.
- **Artificial Intelligence (AI):** The app uses AI technology to estimate the number, gender and approximate age of the person who they rang the doorbell(API Faceplusplus).





ESP NOW



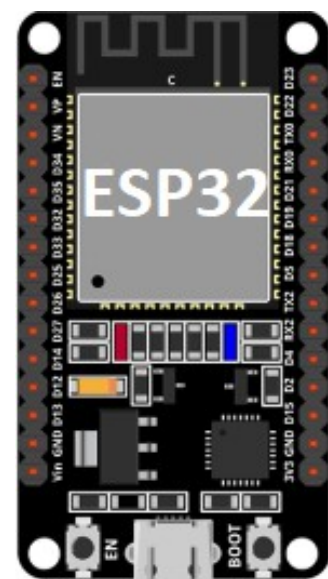
HTTP request
Topic: start

Publish video
Topic: esp32/pub

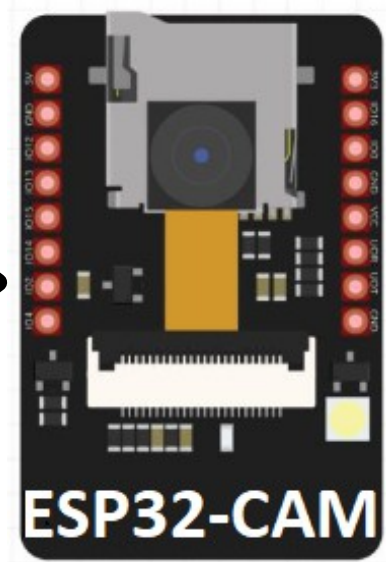
Push notification (ATL)
Subscribe to: start

Publish video
Subscribe to: esp32/pub

SmartDoorBell



ESP NOW



To optimize battery life, the device is constantly in deep-sleep mode and is programmed to wake up automatically every two seconds to check for any messages received via ESP Now.

ESP32-CAM	Consumption
Sending photos	200mAh
Message waiting (no deep sleep)	126mAh
Message waiting (deep sleep)	12mAh